

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent Application of: David S. Stutz and Christopher A. Zimmerman

**METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT CONNECTIONS**

Pat. No.: 777.115USR

**BOX PATENT APPLICATIONS**

Assistant Commissioner for Patents  
Washington, D.C. 20231

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ A Communication Re: Transmittal of Reissue Application (2 pgs).
- ☒ A Reissue Application including Specification, Claims, Abstract and Drawings (38 pgs).
- ☒ A Declaration of Inventors (Unsigned) (3 pgs).
- ☒ Offer to Surrender Original Patent (1 pg).
- ☒ Assent by Assignee Under 37 C.F.R. 1.172 and Power of Attorney (2 pgs).
- ☒ Request to Transfer Drawings (1 pg).
- ☒ Preliminary Amendment (3 pgs).
- ☒ A check in the amount of \$790.00 to cover the Reissue Filing Fee.
- ☒ A return postcard
- Other: \_\_\_\_\_

☒ The filing fee has been calculated below as follows:

CLAIMS AS FILED					
	(1) No. Filed		(2) No. Extra	Rate	Fee
BASIC FEE	XXXXX		XXXXX	XXXXX	\$790.00
TOTAL CLAIMS	1 - 20	=	0	x 22 =	\$0.00
INDEPENDENT CLAIMS	1 - 3	=	0	x 82 =	\$0.00
[ ] MULTIPLE DEPENDENT CLAIMS PRESENTED					\$0.00
<b>TOTAL</b>					<b>\$790.00</b>

If the difference in Column (1) is less than zero, enter "0" in Column (2).

**Please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.**

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By: \_\_\_\_\_  
Atty: Sheryl Sue Holloway  
Reg. No. 37,850

**CERTIFICATE UNDER 37 CFR 1.10:**

"Express Mail" mailing label number: EM153178762US  
Date of Deposit: January 16, 1998

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, BOX PATENT APPLICATIONS, Washington, D.C. 20231.

By: Valerie Studer  
Name: Valerie Studer

(NEW FILING)

**EM153178762US**

CANNED 10

01/16/98  
JES:U.S. PTO

A  
Reissue

**REISSUE**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: David S. Stutz et al.  
Serial No.: Unknown  
Filed: Concurrently Herewith Docket: 777.115USR  
Title: METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT  
CONNECTIONS

---

**COMMUNICATION RE: TRANSMITTAL OF REISSUE APPLICATION**

**BOX PATENT APPLICATION**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Please find enclosed herewith an application for reissue of U.S. Patent No. 5,485,617, issued on January 16, 1996, to David S. Stutz and Christopher A. Zimmerman and entitled "METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT CONNECTIONS", which reissue application includes the following:

1. Reissue Application including Specification, Claims, Abstract, and Drawings;
2. Declaration of Inventors (Unsigned)
3. Offer to Surrender Original Patent;
4. Assent by Assignee under 37 C.F.R. §1.172 and Power of Attorney;
5. Request to Transfer Drawings and copy of drawings as printed in patent of parent application;
6. Preliminary Amendment; and
7. A check to pay the reissue filing fee and a check to pay the Title Report fee.
8. A return postcard.

COMMUNICATION RE: TRANSMITTAL OF REISSUE APPLICATION

Application for Reissue of U.S. Patent No. 5,485,617 (Serial No. 08/166,976)

Page 2

Dkt: 777.115USR

Title: METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT CONNECTIONS

Please charge any additional required fees, or credit overpayment, to Deposit Account  
No. 19-0743.

Respectfully submitted,

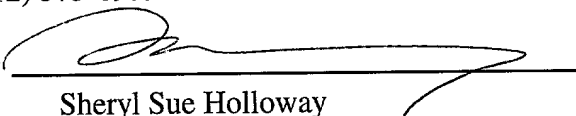
DAVID S. STUTZ ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6939

Date Jan. 16, 1998

By

  
Sheryl Sue Holloway  
Reg. No. 37,850

CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: EM153178762US

Date of Deposit: January 16, 1998

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Name

Valerie Studer

Signature

Valerie Studer

RECEIVED

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: David S. Stutz et al  
Serial No.: Unknown  
Filed: Concurrently Herewith Docket: 777.115USR  
Title: METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT  
CONNECTIONS

---

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Prior to examination of the above-identified patent application, please amend the above-identified patent application as follows:

**IN THE CLAIMS**

Please amend the claims as follows:

46. [New] A computer-readable medium having computer-executable instructions for performing steps to generate an object connection between a source object and a sink object, the sink object implementing a plurality of notification interfaces for communicating with the sink object, each notification interface having an associated interface identifier, and the source object having instances of a connection point interface, each instance of the connection point interface having an associated interface identifier, the steps comprising:

selecting a notification interface from among the plurality of notification interfaces of the sink object;

selecting an instance of the connection point interface of the source object, the selected instance having an associated interface identifier which corresponds to the interface identifier associated with the selected notification interface of the sink object;

using the selected connection point interface instance to request that the source object and the sink object be connected, wherein the request has a reference to an instance of the selected notification interface of the sink object; and

storing the reference to the instance of the selected notification interface, so that the sink object can be notified by the source object.

47. [New] A computer-readable medium having stored thereon an object connection architecture comprising:

a plurality of sink objects, each sink object having a notification function member for communicating with the sink object from a source object; and

a plurality of source objects, each source object having a plurality of connection point objects, each connection point object storing a plurality of notification function members and returning an identification of one of the notification function members from the stored plurality of notification function members upon request.

**PRELIMINARY AMENDMENT**

Application for Reissue of U.S. Patent No. 5,485,617 (Serial No. 08/166,976)

Filing Date: Herewith

Title: METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT CONNECTIONS

Page 3

Dkt: 777.115USR

**REMARKS**

Entry of the above amendment is respectfully requested. Applicant respectfully submits that new claims 46 and 47 do not represent new matter as they contain the elements of U.S. Patent No. 5,485,617 claims 27 and 39, respectively, claimed in an article of manufacture format. A computer-readable medium is supported in the 5,485,617 patent at column 9, lines 15-18 which describes a computer system suitable for implementing Applicant's invention. The elements of both claims are supported, in general, by the originally-filed specification of the 5,485,617 patent. In particular, claim 45 is supported at column 15, line 38 through column 16, line 28, and claim 47 is supported in at column 9, line 60 through column 10, lines 10.

Respectfully submitted,

DAVID S. STUTZ ET AL

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

P.O. Box 2938

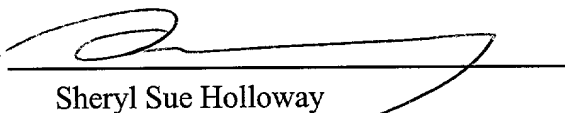
Minneapolis, MN 55402

(612) 373-6939

Date

Jan. 16, 1998

By



Sheryl Sue Holloway

Reg. No. 37,850

**CERTIFICATE UNDER 37 CFR 1.10:**

"Express Mail" mailing label number: EM153178762US

Date of Deposit: January 16, 1998

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Valerie Steder

Name

Valerie Steder

Signature

**REISSUE**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: David S. Stutz et al.  
Serial No.: Unknown  
Filed: Concurrently Herewith Docket: 777.115USR  
Title: METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT  
CONNECTIONS

---

**REQUEST TO TRANSFER DRAWINGS**

BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Please transfer the drawings for U.S. Patent No. 5,548,617, issued on January 16, 1996, to David S. Stutz and Christopher A. Zimmerman, and entitled "METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT CONNECTIONS," to the reissue application filed herewith. A copy of the printed drawings of the patent is attached hereto.

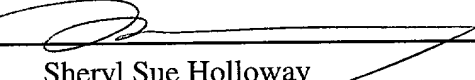
No fee is believed to be due to request transfer of the drawings. However, if a fee is due, please charge the fee to Deposit Account No. 19-0743.

Respectfully submitted,

DAVID S. STUTZ ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6939

Date Jan. 16, 1998 By   
Sheryl Sue Holloway  
Reg. No. 37,850

---

**CERTIFICATE UNDER 37 CFR 1.10:**

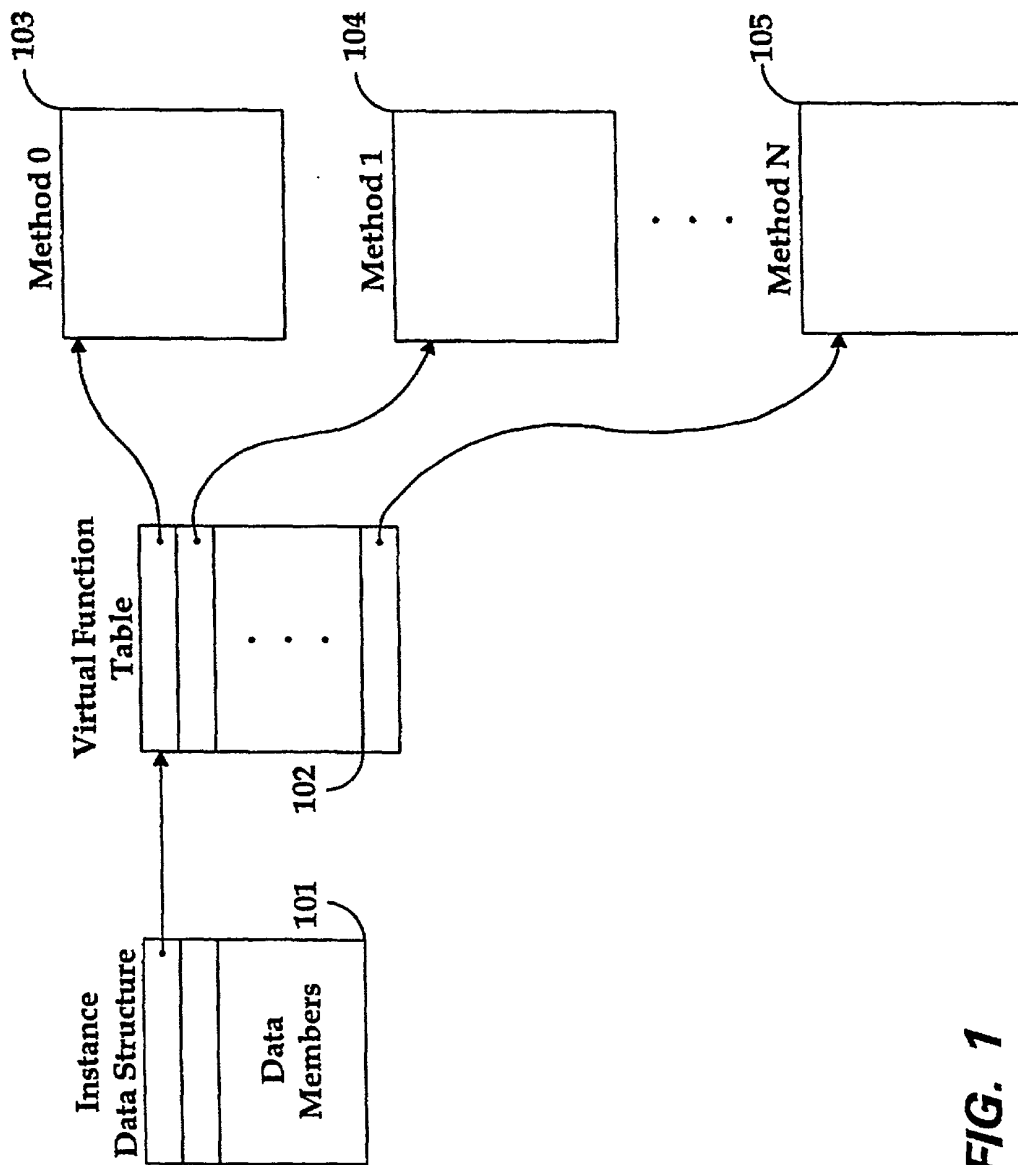
"Express Mail" mailing label number: EM153178762US

Date of Deposit: January 16, 1998

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

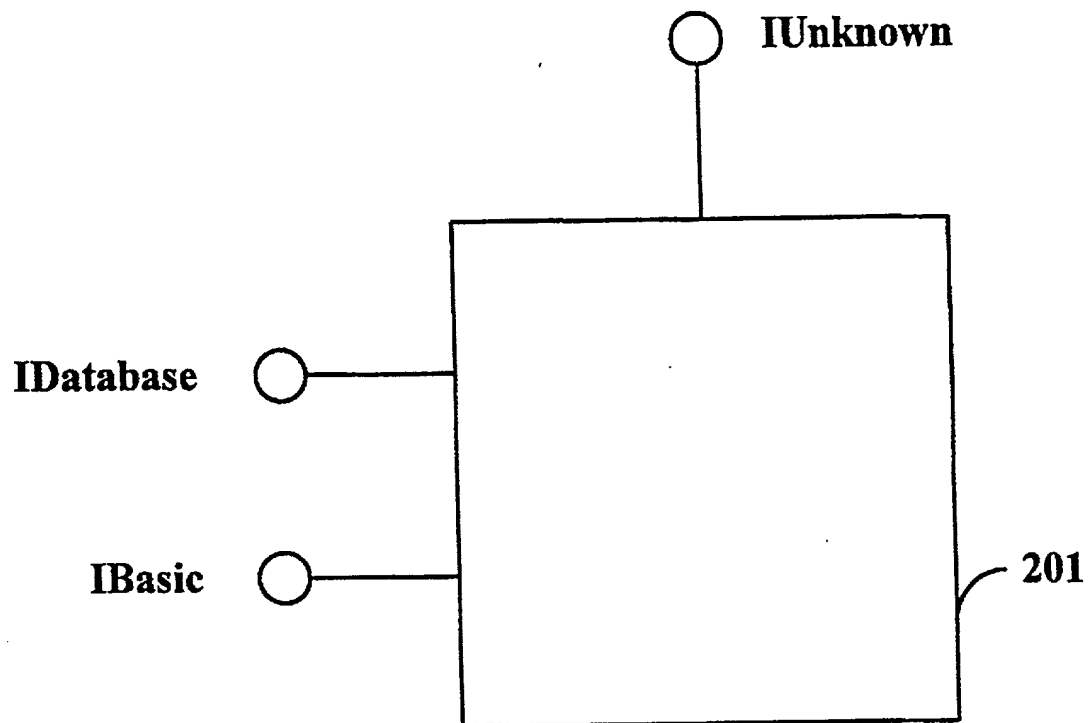
Valerie Studer  
Name

Valerie Studer  
Signature



**FIG. 1**  
*(Prior Art)*





**FIG. 2**

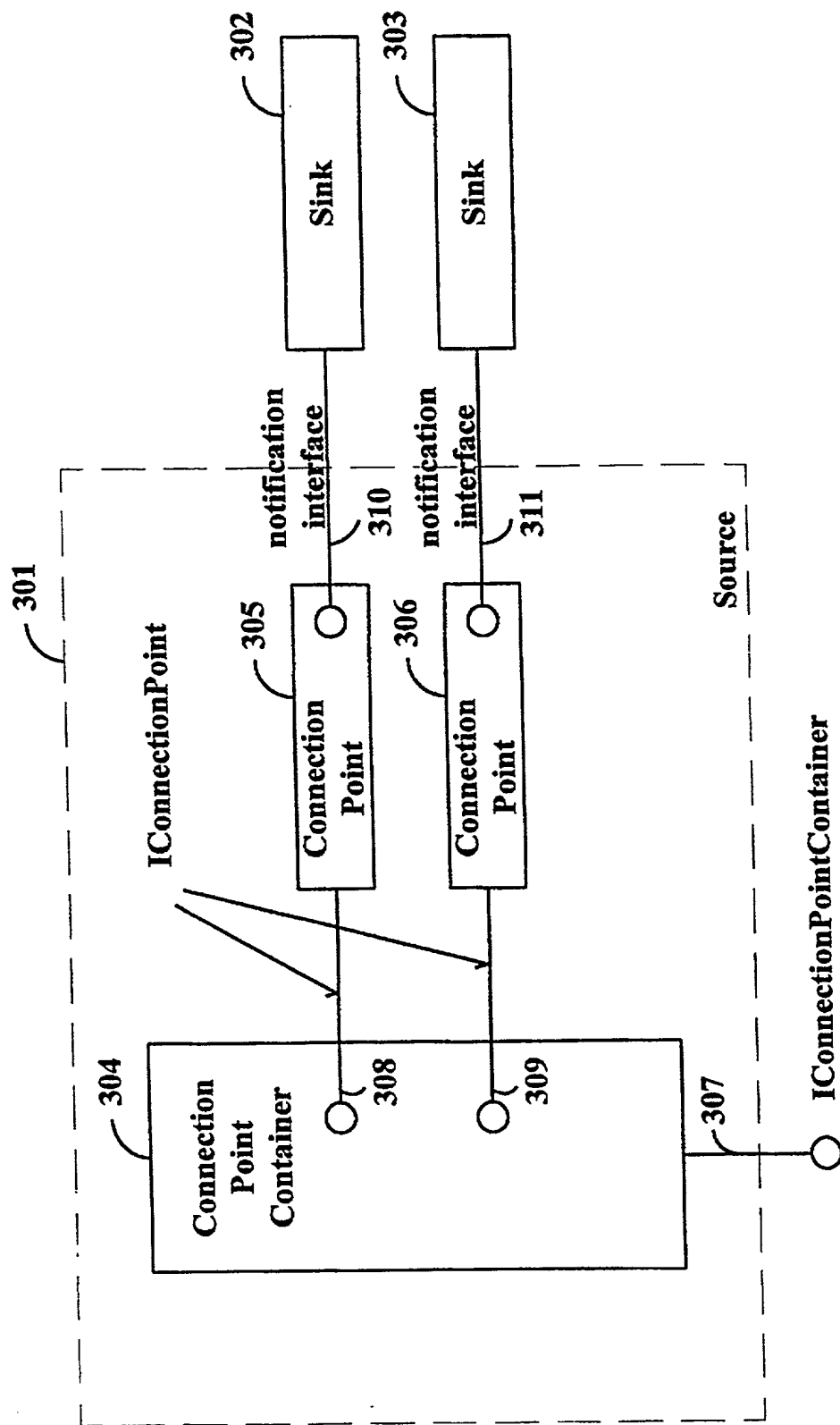
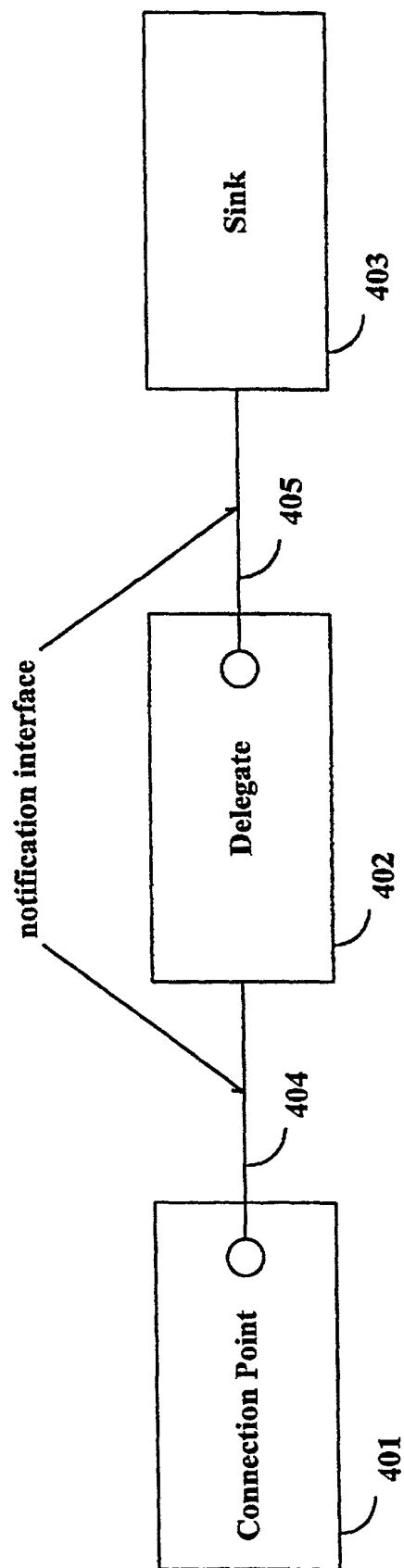


FIG. 3



**FIG. 4**

FIG. 5

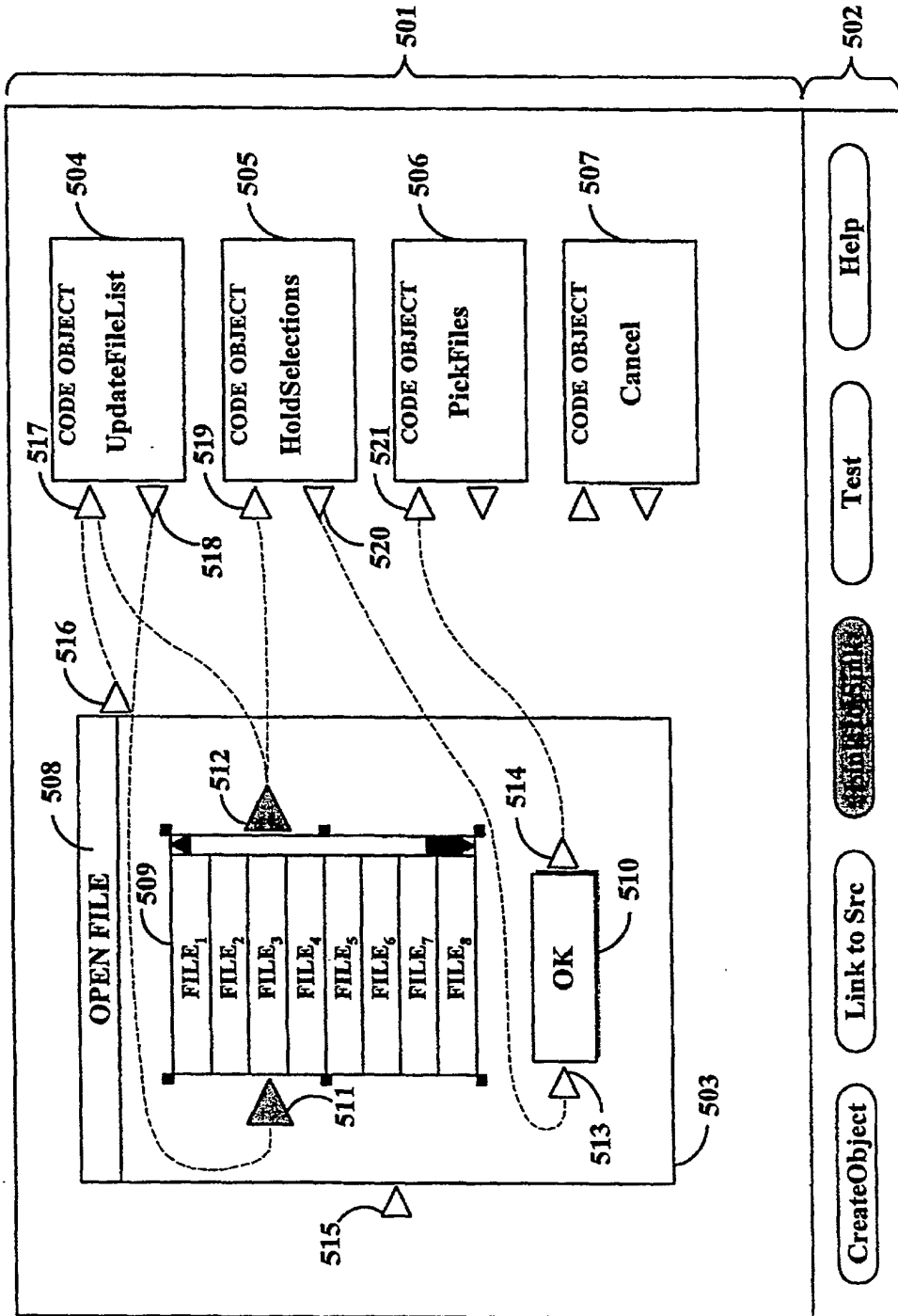


FIG. 5

FIG. 6

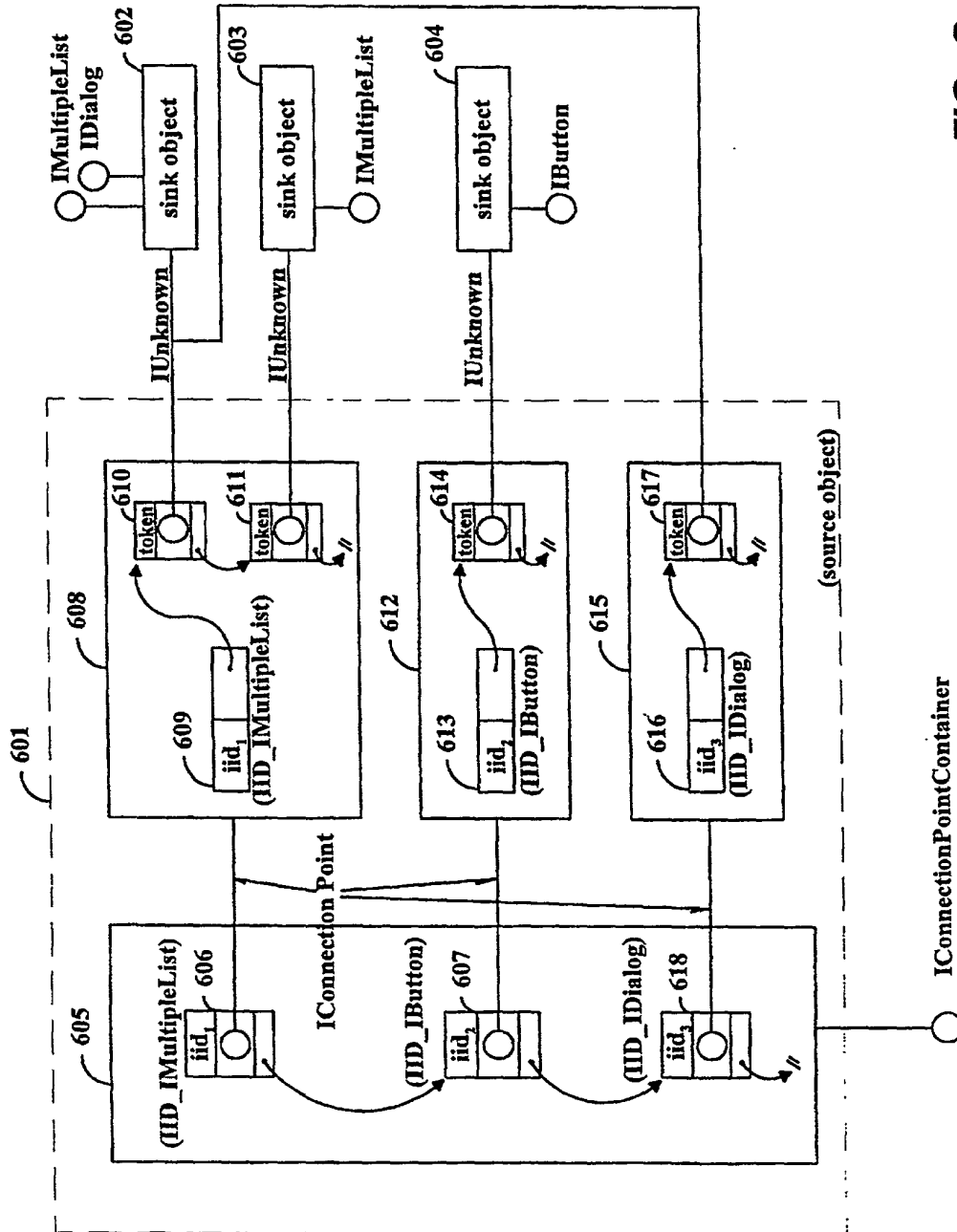


FIG. 6

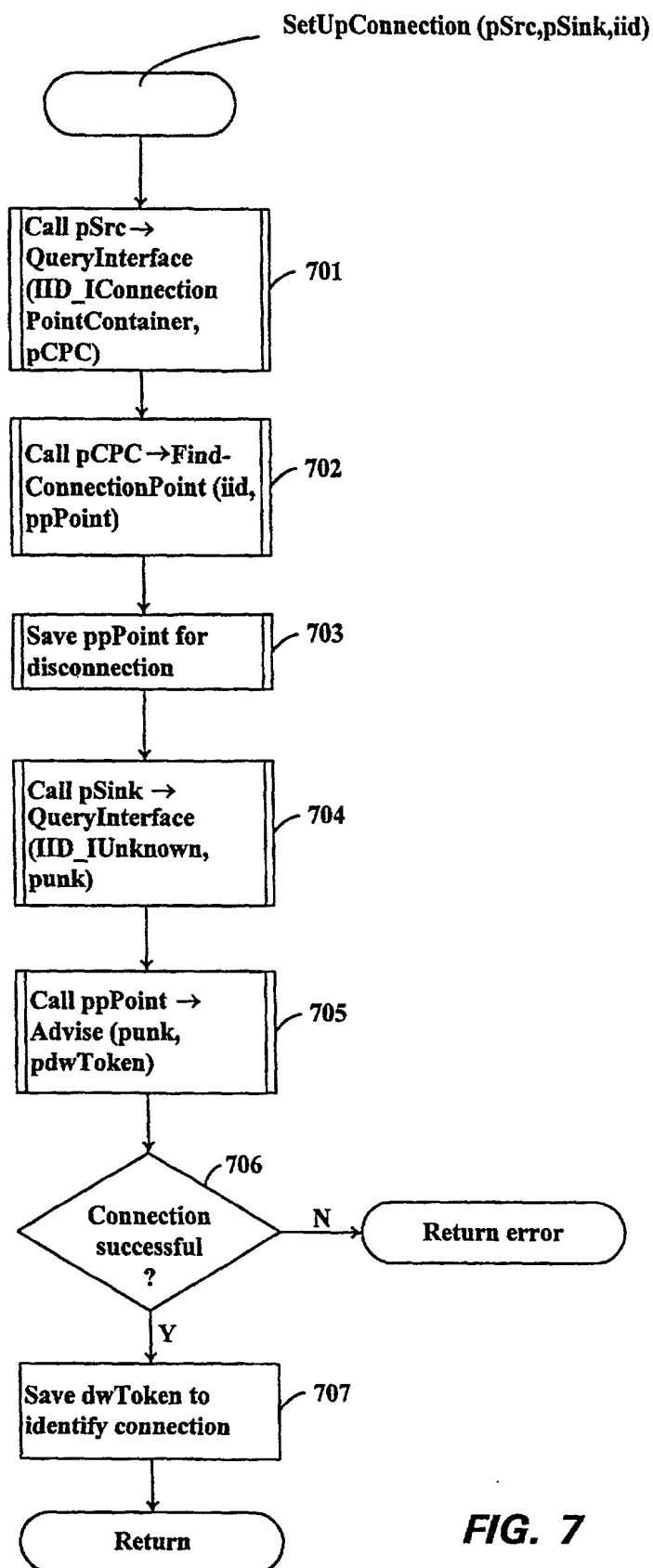
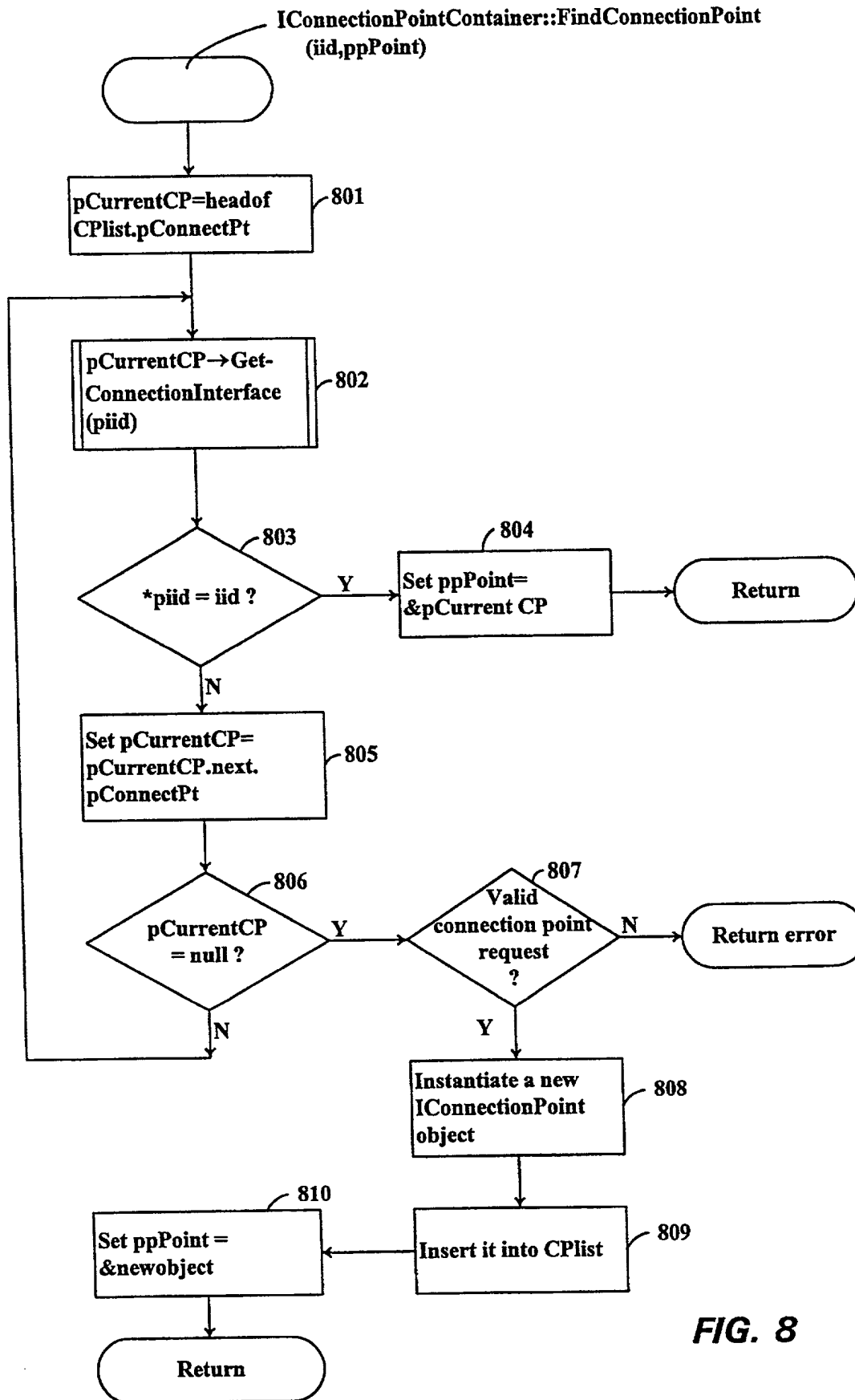
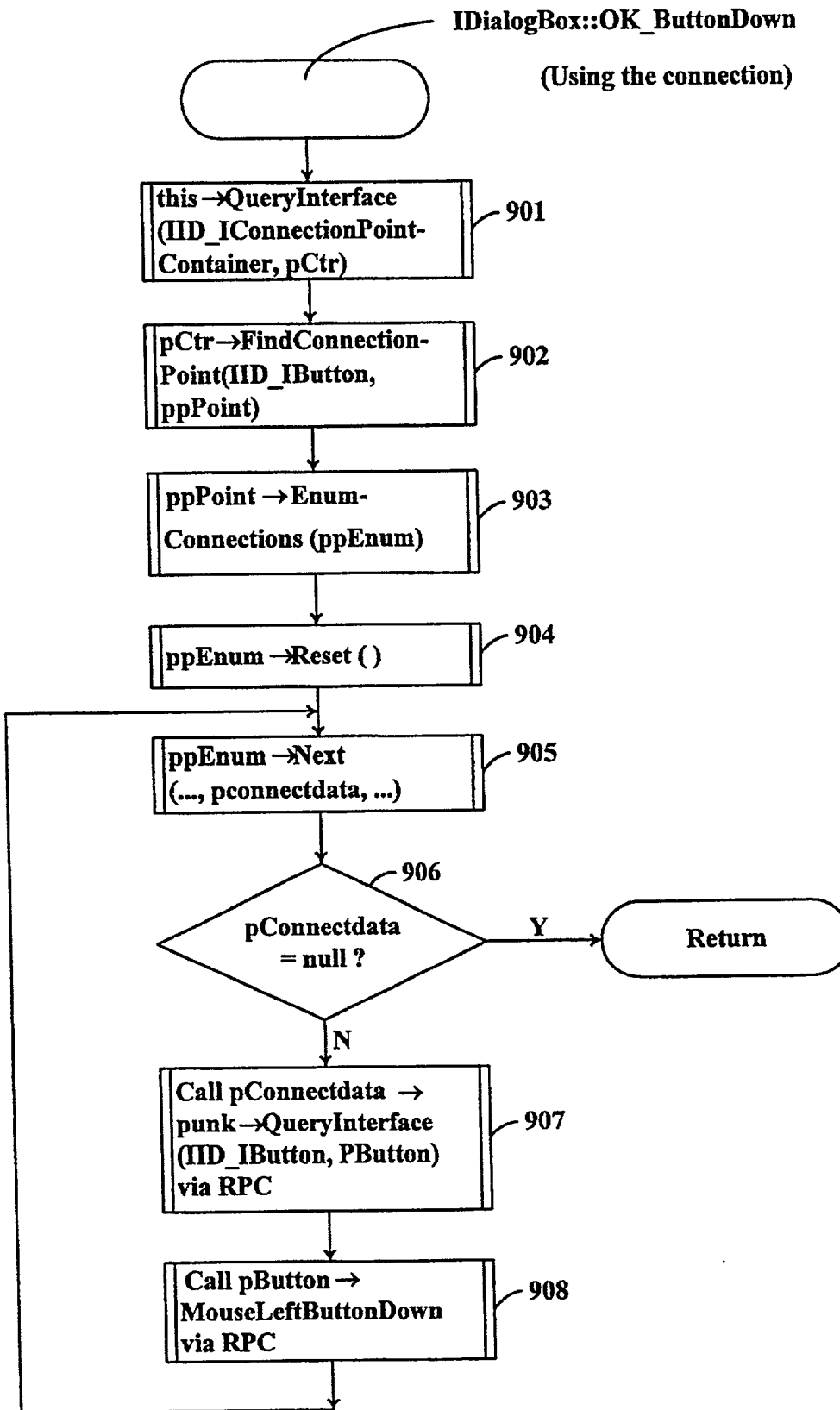
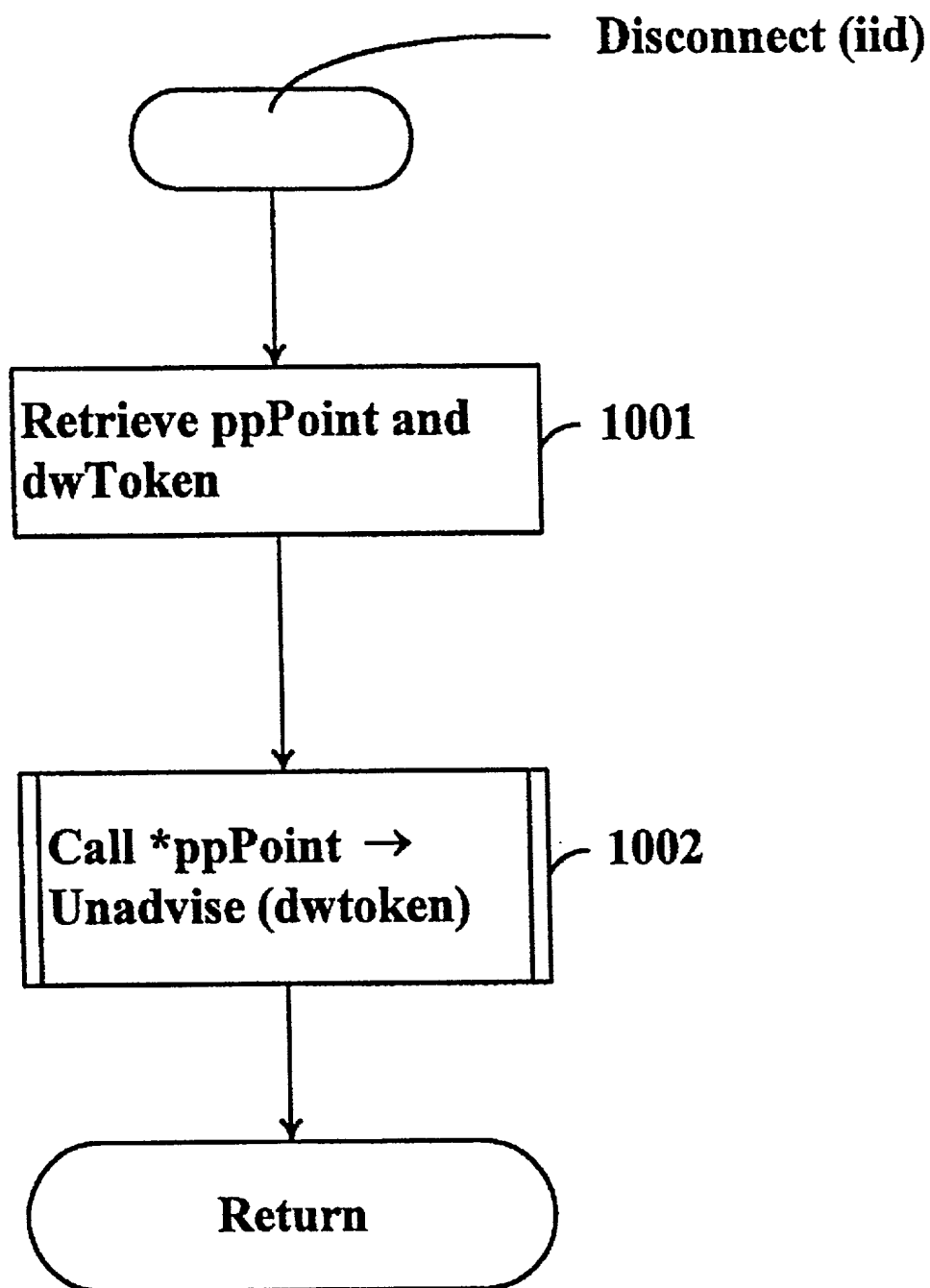


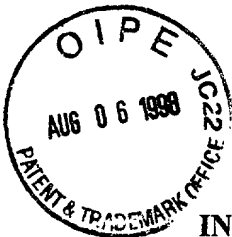
FIG. 7



**FIG. 9**



**FIG. 10**



# 3

**REISSUE**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	David S. Stutz et al.	Examiner:	Unknown
Serial No.:	09/008,241	Group Art Unit:	Unknown
Filed:	January 16, 1998	Docket:	777.115USR
Title:	METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT CONNECTIONS		

---

**DECLARATION OF INVENTORS**

**BOX PATENT APPLICATION**

Assistant Commissioner for Patents  
Washington, D.C. 20231

We, David S. Stutz and Christopher A. Zimmerman hereby declare as follows:

1. We are citizens of the United States residing at 19610 N.E. 116th, Redmond, WA 98053, USA, and 3006 West Lake Sammamish Parkway, S.E., Bellevue, WA 98008, USA.
2. We believe that we are the original co-inventors of the invention disclosed and claimed in U.S. Patent No. 5,485,617, issued on January 16, 1996, entitled "METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT CONNECTIONS," and claimed in the application filed January 16, 1998 for which we solicit a reissue patent.
3. We have reviewed and understand the contents of the specification and claims of the reissue application.
4. We do not believe that the invention set forth herein was ever known or used in the United States before the invention thereof by ourselves.
5. We acknowledge the duty to disclose information which is material to the examination to the reissue application in accordance with 37 C.F.R. § 1.56(a).
6. We believe the above-identified patent is partially inoperative by reason of claiming less than we, the inventors, had a right to claim in the patent. Such inoperativeness includes particularly the failure to prosecute and obtain claims commensurate with the scope of new claims 46 and 47 filed in the reissue application.
7. On information and belief, we further declare that the reasons which render U.S. Patent No. 5,485,617 partially inoperative arose without any fraudulent or deceptive intention on

09/008,241-01,1698

DECLARATION OF INVENTORS

Page 2 of 3

Application for Reissue of U.S. Patent No. 5,485,617 (Serial No. 08/166,976)

Serial No. : 09/008,241

Filing Date: January 16, 1998

Docket: 777.115USR

Title: METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT CONNECTIONS

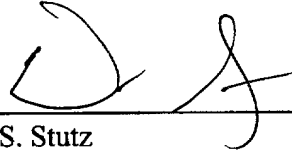
our part, and, upon being informed of the significance of the foregoing facts, we concur in the filing of the reissue application by the assignee.

8. We further declare that all statements made herein of our own knowledge are true, and that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the reissue application or any patent issuing thereon.

Dated:

13 April 1998

David S. Stutz



STATE OF

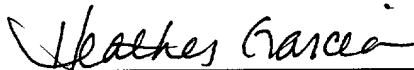
Wash.

COUNTY OF

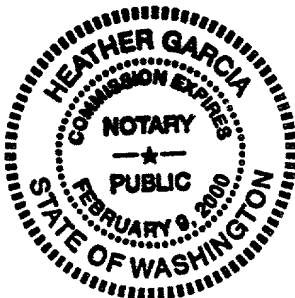
King )  
 )ss.

On this 13th day of April, 1998 before me personally appeared David S. Stutz to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Notary Public



DECLARATION OF INVENTORS

Page 3 of 3

Application for Reissue of U.S. Patent No. 5,485,617 (Serial No. 08/166,976)

Serial No. : 09/008,241

Filing Date: January 16, 1998

Docket: 777.115USR

Title: METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT CONNECTIONS

Dated: 7/2/98

Christopher A. Zimmerman  
Christopher A. Zimmerman

STATE OF Washington

COUNTY OF King )ss.

On this 2 day of July, 1998 <sup>BB</sup> before me personally appeared Christopher A. Zimmerman to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Beverly Blystone  
Notary Public  
BEVERLY BLYSTONE



03008241-011698

**REISSUE**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: David S. Stutz et al.  
Serial No.: Unknown  
Filed: Concurrently Herewith Docket: 777.115USR  
Title: METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT  
CONNECTIONS

---

**OFFER TO SURRENDER ORIGINAL PATENT**

BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

In accord with the requirement of 37 C.F.R. § 1.178, Applicant hereby offers to surrender the original patent, U.S. Patent No. 5,485,617, issued on January 16, 1996 to David S. Stutz and Christopher A. Zimmerman, and entitled "METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT CONNECTIONS," or, if the original is lost or inaccessible, an affidavit to such effect will be supplied before allowance of the above-identified reissue application.

Respectfully submitted,

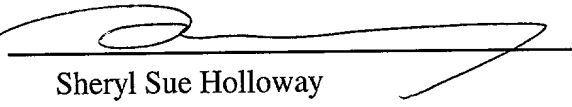
DAVID S. STUTZ ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6939

Date Jan. 16, 1998

By

  
Sheryl Sue Holloway  
Reg. No. 37,850

**CERTIFICATE UNDER 37 CFR 1.10:**

"Express Mail" mailing label number: **EM153178762US**

Date of Deposit: **January 16, 1998**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Name

Valerie Shuder

Signature

Valerie Shuder

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant:** David S. Stutz et al.

Serial No.: Unknown

Filed: Concurrently Herewith

Docket: 777.115USR

Title: **METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT CONNECTIONS**

**ASSENT BY ASSIGNEE UNDER 37 C.F.R. § 1.172**  
**AND POWER OF ATTORNEY**

**BOX PATENT APPLICATION**  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Microsoft Corporation, being the Assignee of the entire interest in and to U.S. Patent No. 5,485,617, issued on January 16, 1996, to David S. Stutz and Christopher A. Zimmerman and entitled "METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT CONNECTIONS," hereby assents to the reissue of said patent.

**Assignee hereby revokes any existing Powers of Attorney and appoints:**

Anglin, J. Michael  
Bianchi, Timothy E.  
Billig, Patrick G.  
Billion, Richard E.  
Brennan, Thomas F.  
Brooks, Edward J., III  
Clark, Barbara J.  
Drake, Eduardo E.  
Dryja, Michael A.  
Embretson, Janet E.  
Fogg, David N.  
Forrest, Bradley A.  
Harris, Robert J.

Reg. No. 24,916  
Reg. No. 39,610  
Reg. No. 38,080  
Reg. No. 32,836  
Reg. No. 35,075  
Reg. No. 40,925  
Reg. No. 38,107  
Reg. No. 40,594  
Reg. No. 39,662  
Reg. No. 39,665  
Reg. No. 35,138  
Reg. No. 30,837  
Reg. No. 37,346

Hofmann, Rudolph P., Jr.  
Holloway, Sheryl S.  
Klima-Silberg, Catherine I.  
Kluth, Daniel J.  
Lemaire, Charles A.  
Litman, Mark A.  
Lundberg, Steven W.  
Madrid, Andres N.  
Schwegman, Micheal L.  
Simboli, Paul B.  
Slifer, Russell D.  
Viksנים, Ann S.  
Woessner, Warren D.

Reg. No. 38,187  
Reg. No. 37,850  
Reg. No. 40,052  
Reg. No. 32,146  
Reg. No. 36,198  
Reg. No. 26,390  
Reg. No. 30,568  
Reg. No. 40,710  
Reg. No. 25,816  
Reg. No. 38,616  
Reg. No. 39,838  
Reg. No. 37,748  
Reg. No. 30,440

as its attorneys, with full power of substitution and revocation, to prosecute the reissue application, to make alterations and amendments therein, and to transact all business in the U.S.

### ASSENT OF ASSIGNEE

Application for Reissue of U.S. Patent No. 5,485,617 (Serial No. 08/166,976)

Docker: 777.115USR

Title: METHOD AND SYSTEM FOR DYNAMICALLY GENERATING OBJECT CONNECTIONS

Page 2

Patent and Trademark Office in connection therewith, and to receive the Letters Patent. Please direct all communications to the following:

**Sheryl Sue Holloway, Esq.**  
**SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.**  
 1600 TCF Tower  
 121 South Eighth Street  
 Minneapolis, MN 55402  
 (612) 373-6939

**CERTIFICATE UNDER 37 CFR §3.73(b)**

Microsoft Corporation hereby certifies that it is the assignee of the entire right, title, and interest in U.S. Patent No. 5,485,617 identified above by virtue of an assignment from the inventors to Microsoft Corporation filed in the patent application and recorded on Reel 6842, Frames 0220-0222. To the best of my knowledge and belief, title is in the assignee, Microsoft Corporation.

Pursuant to 37 C.F.R. §3.73(b) I hereby declare that I, John B. Mason, am empowered to sign this certificate on behalf of the assignee, Microsoft Corporation.

I hereby declare that all statement made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true.

Date:

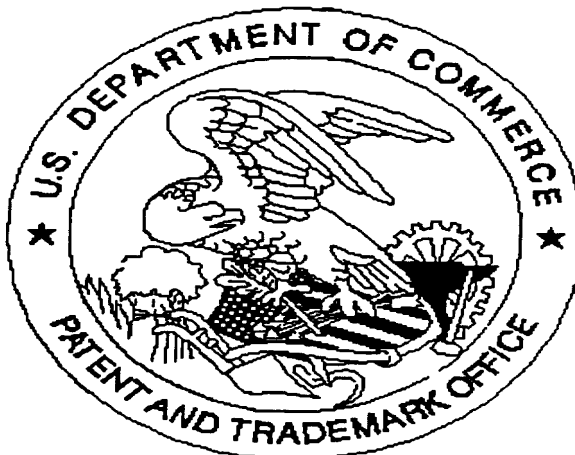
1/14/98

By :

John B. Mason

**Title: Assistant Secretary**

United States Patent & Trademark Office  
Office of Initial Patent Examination -- Scanning Division



Application deficiencies found during scanning:

1. Application papers are not suitable for scanning and are not in compliance with 37 CFR 1.52 because:
  - ☐ All sheets must be either A4 (21 cm x 29.7 cm) or 8-1/2" x 11".  
Pages \_\_\_\_\_ do not meet these requirements.
  - ☐ Papers are not ☐ flexible, ☐ strong, ☐ smooth, ☐ non-shiny, ☐ durable, and ☐ white.
  - ☐ Papers are not ☐ typewritten or mechanically printed ☐ in permanent ink ☐ on one side.
  - ☐ Papers contain improper margins. Each sheet must have a left margin of at least 2.5 cm (1") and top, bottom and right margins of at least 2.0 cm (3/4").
  - ☐ Papers contain hand lettering.
2. Drawings are not in compliance and were not scanned because:
  - ☐ The drawings or copy of drawings are not suitable for electronic reproduction.
  - ☐ All drawings sheets are not either A4 (21 cm x 29.7 cm) or 8-1/2" x 11".
  - ☐ Each sheet must include a top and left margin of at least 2.5 cm (1"), a right margin of at least 1.5 cm (9/16") and a bottom margin of at least 1.0 cm (3/8").
3. Page(s) \_\_\_\_\_ are not of sufficient ☐ clarity, ☐ contrast and ☐ quality for electronic reproduction.
4. Page(s) \_\_\_\_\_ are missing.
5. OTHER: \_\_\_\_\_